

USNA Student Volunteer Internship Program Announcement

Position Title: Mechanical Engineering Intern, Student Intern

Department: Mechanical Engineering Department

Number of Positions: 1 (one)

Note: Applications will begin to be forwarded to the Mechanical Engineering Department for consideration as they are received.

Duties:

- The student intern will assist the Materials Functional Laboratory Group establishing the EME “Makerspace” located in Ri226. The EME Makerspace will be an Additive Manufacturing Laboratory consisting of plastic 3D printers, associated PC systems, and some composite manufacturing. The student intern will assist with setting up these systems under the direction of the Materials Lab Director (CDR Brad Baker) or the Materials Lab Supervisor (Brian Russell). Basic knowledge of PC systems is beneficial but can be provided during the internship.
- Additionally the student intern will assist in testing operability of these systems to include simple additive manufacturing of plastic parts. Knowledge of simple off the shelf CAD programs is beneficial but can also be provided during the internship. Creativity and basic mechanical skills are also beneficial.
- Depending on time, experience, and availability, the student intern may also assist with basic analysis of printed components. Examples of these analyses include simple microscopy, visual inspection, and simple mechanical testing of built components.

Desired Skills:

- Microsoft Office Experience (WORD, Excel, and PowerPoint)
- Hands On Mechanical Experience
- Advanced Math (Pre-calculus or Calculus)
- Advanced Science (Chemistry or Physics)
- STEM Track Coursework

Start Date: 7 Aug 2017

End Date: 1 Sept 2017

Volunteer Schedule:

- Minimum of 2-3 days per week (flexible as to which days)
- 4-8 hours per day between 0800 and 1600

- Start week and end week are flexible. Nominally a 4 week internship during the proposed 8 week period.

How to Apply: To apply for a Student Volunteer Internship Program appointment all applicants are required to submit:

- A current *resume* (no special format required). Please include your expected graduation date.
- A *cover letter* identifying yourself as an applicant for the Volunteer Student Internship Program. The letter should also contain your career area of interest and the timeframe(s)/dates you are able to intern.
- *Proof of enrollment/acceptance* from an accredited high school, trade school, college and/or university.
- *Unofficial transcripts* clearly showing your grades/GPA.

Email the above documents to usna-jobs@usna.edu. The subject line should read: **Student Volunteer Internship Program (and include the title and department for the position)**. If possible, please merge all four documents into one (1) .pdf file when applying, and name your file with your last and first name (i.e. Smith,John).

While email applications are preferred, you may mail all required application documents to:

U.S. Naval Academy
Attn: HR Volunteer Student Intern Program Manager
181 Wainwright Road MS 20B
Annapolis, MD 21402

Please visit <http://www.usna.edu/JobInfo> for additional information on the Student Volunteer Internship Program at the United States Naval Academy.

The United States Naval Academy is an Equal Opportunity Employer.